

Abstract of the Disclosure:

There is defined an optical link section which leads from output interfaces of an optical switch equipment to the input interfaces of an optical switch equipment. In-band control channels for every optical links are interposed between the optical switch equipments and an optical multiplex section. The in-band control channels exchanges the optical link attributes specified by the interfaces of the optical switch equipments and the optical link attributes specified by the optical multiplex section, mutually as control messages.